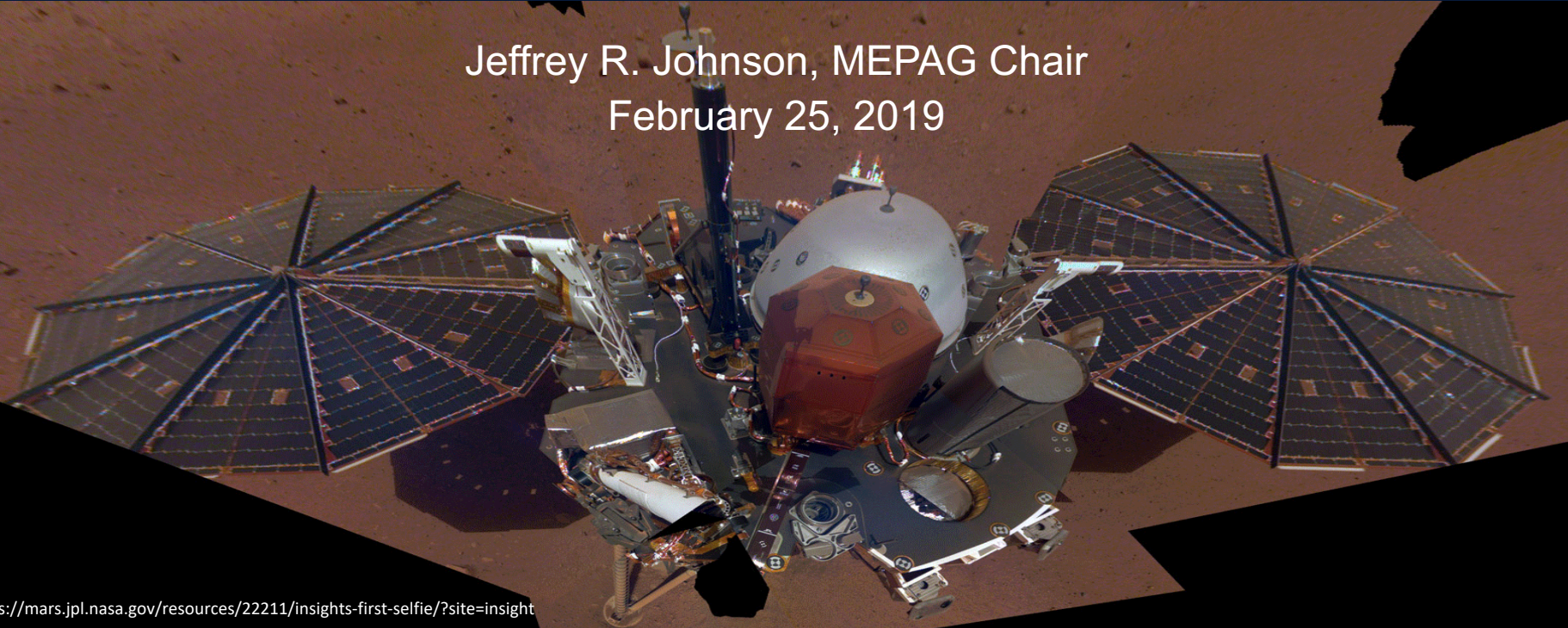


Welcome to MEPAG Virtual Meeting (VM) #4

Jeffrey R. Johnson, MEPAG Chair
February 25, 2019





Topics for today's virtual meeting (VM #4):

- 1) MEPAG Updates since VM #3 (Sept. 2018)
- 2) NASA Headquarters update
- 3) Ice and Climate Evolution Science Analysis Group (ICE-SAG)
- 4) Initial discussions on Mars white papers for the 2023-2032 Decadal Survey

Agenda

MEPAG Virtual Meeting #4 (VM4): Monday, February 25, 2019

Electronic meeting (JPL WebEx): 2:00 pm-4:00 pm EST

Agenda (as of Feb. 21)

Times shown are EST, all presenters should include time for discussion

<u>Start (EST)</u>	<u>PST</u>	<u>Duration</u>	<u>Title/topic</u>	<u>Presenter</u>
14:00	11:00	0:15	Welcome/meeting agenda/MEPAG update	J. Johnson (MEPAG Chair, JHU/APL)
14:15	11:15	0:15	NASA HQ Updates	M. Meyer (NASA HQ)
14:30	11:30	0:15	NASA Research Announcement: Planetary Mission Concept Studies	L. Glaze (NASA HQ)
14:45	11:45	0:30	ICE-SAG report	S. Diniega (JPL), T. Putzig (PSI)
15:15	12:15	0:10	Question period	---
15:25	12:25	0:20	Decadal Survey white paper planning	J. Johnson
15:45	12:45	0:10	Question period	---
15:55	12:55	0:05	Wrap-up	J. Johnson
16:00	13:00		Adjourn	

VM Logistics:

- Please mute your phone
- Use chat box on WebEx; moderators will track questions
- Feedback/questions during and after meeting? → MEPAGmeetingqs@jpl.nasa.gov
- Presentations will be online after meeting

MEPAG Activities since 9/13/18 meeting VM #3 (1 of 3)

- Convened VM #3 meeting (~100 attendees)
 - Summary of meeting posted: https://mepag.jpl.nasa.gov/meeting/2018-09/mepag_vm3_notes_180913_final.pdf
 - 1) Review and Assessment of Planetary Protection Development Processes (S. Hubbard)
 - 2) Mid-term report on the Decadal Survey (L. Prockter)
- Completed revision of Goals Document after addressing polar science questions
 - Released Oct. 1, 2018: https://mepag.jpl.nasa.gov/reports/MEPAG%20Goals_Document_2018.pdf
- Initiated Ice and Climate Evolution Science Analysis Group (ICE-SAG)
 - S. Diniega, T. Putzig Co-Chairs (status report at this meeting)
 - Goal: *Explore mission-based approaches to address the fundamental science questions related to the recent and ongoing evolution of Mars volatiles and climate*
 - MEPAG Executive Committee provided initial feedback

MEPAG Activities since 9/13/18 meeting VM #3 (2 of 3)

- Presented MEPAG poster at Fall AGU meeting (S. Diniega)
 - *“Preparation for the Planetary Decadal Survey: The 2018 MEPAG Goals Document and plans for 2019 updates”*
 - Poster available here: <https://www.essoar.org/doi/pdf/10.1002/essoar.10500792.1>
- Planned LPSC peripheral MEPAG “meet-and-greet” (see slide 10)
- Distributed monthly newsletters
 - <https://mepag.jpl.nasa.gov/newsletters.cfm>
- Participated in initial work on creating joint statement on diversity goals among all Analysis/Assessment Groups (AGs) for inclusion in their documents (C. Ernst, APL/SBAG)

MEPAG Activities since 9/13/18 meeting VM #3 (3 of 3)

➤ Revised MEPAG Committee memberships

THANKS!

– Executive Committee:

- Rotating off:
 - Ben Bussey (NASA HQ)
- Rotating on:
 - Jake Bleacher (NASA HQ), supplemented by Paul Niles (JSC)
 - Justin Filiberto (LPI, Planetary Science Advisory Committee (PAC) member)
 - Barbara Cohen (GSFC, LEAG Executive Committee)

– Goals Committee:

- Rotating off:
 - Steve Ruff (ASU, Goal III)
 - Paul Withers (Boston Univ., Goal II)
- Rotating on:
 - Briony Horgan (Purdue, Goal III)

WELCOME!

Executive Committee



Jeff Johnson, Chair, JHU/APL



Wendy Calvin, UNR

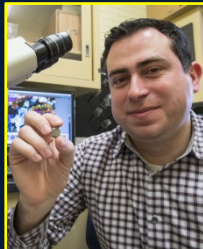


Don Banfield, Goals
Committee Chair,
Cornell



Scott Hubbard
Stanford

Justin Filiberto
LPI



Michael Meyer, NASA HQ



Rich Zurek
MPO/JPL



Barbara Cohen
GSFC



Dave Beaty
MPO/JPL



Jake Bleacher
NASA HQ



Paul Niles JSC

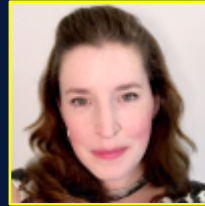
Jen Eigenbrode
GSFC



Goals Committee



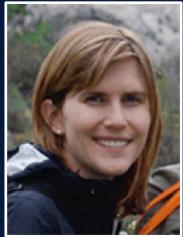
Jen Stern
NASA GSFC, Goal 1



Briony Horgan, Purdue, Goal 3



Don Banfield, Goals
Committee Chair,
Cornell



Sarah Stewart Johnson
Georgetown, Goal 1



R. Aileen Yingst, PSI, Goal 3



David Brain
Univ. Colorado, Boulder
Goal 2



Robin Wordsworth
Harvard University
Goal 2



Ryan Whitley
NASA JSC, Goal 4



Jacob Bleacher
NASA GSFC, Goal 4

Mars Program Office associates (Jet Propulsion Laboratory)



Serina Diniega



Kelly Perry



Brandi Carrier



Barbara Saltzberg

Upcoming Mars Activities

- LPSC MEPAG meet-and-greet
 - Monday, March 18, 12:00PM – 1:00PM , Waterway Ballroom 6-8
 - Not a formal meeting: Intent to interact and continue Decadal Survey white paper discussions that begin today
- Mars Sample Return forum organized by Mars Program Office/NASA:
 - Wednesday, March 20, 12:00PM – 1:00PM, Montgomery Ballroom A-C
 - MSR Science Planning Group (MSPG)
- 9th International Conference on Mars
 - July 22-25, 2019 @Pasadena, CA
- Mars Extant Life: What's Next?
 - November 5-8, 2019 (rescheduled from original January 29-February 1)



Next MEPAG Meetings

- Virtual Meeting #5 (week of May 6, 2019)
- Potential agenda items
 - NASA HQ and Mars Exploration Program updates
 - FY19 budget status
 - FY20 request
 - Mars Sample Return, Mars 2020 updates
 - Decadal Survey updates and preparations
 - Report from LPSC meet-and-greet event

Next MEPAG Meetings

- Face-to-face Meeting #37 → Decision: append to 9th Mars conference (Friday, July 26 at Caltech, Pasadena)
- We welcome conference attendees to the MEPAG meeting!
- Portions of typical MEPAG face-to-face meetings that likely will be covered within 9th Mars conference program:
 - Mars Sample Return updates
 - Mission updates and status (including InSight and international)
 - Human exploration
 - Commercial space
- Potential MEPAG agenda items
 - NASA HQ and Mars Exploration Program updates
 - Mars 2020 updates
 - Decadal Survey updates and preparations (MEPAG Goals revisions, initialization of white papers)
 - Conference/team reports



R&A Program Element relevant deadline updates

- C.3 Solar System Workings (SSW)
 - Step 2 – April 2, 2019
 - hqssw@mail.nasa.gov
- E.4 Habitable Worlds (HW)
 - Step-2 - March 29, 2019
 - mitchell.d.schulte@nasa.gov
- C.15 Planetary Protection Research (PPR)
 - NOI April 12, 2019
 - Proposals due May 10, 2019
 - HQ-PPR@mail.nasa.gov
- C.30 Planetary Mission Concept Studies (PMCS)
 - NOI March 22, 2019
 - Proposals due May 21, 2019 Doris.Daou@nasa.gov
 - Final reports due to NASA June 30, 2020



2019 PSD Mission Senior Review Schedule

(schedule subject to change based on government status)

- | | |
|---------------------------------------|------------------------|
| • Proposals due to NRESS | March 15 (was Feb. 14) |
| • Interaction with Panels | May 6 |
| • Report to PAC | June 10 |
| • PAC recommendations to NASA | June 24 |
| • NASA response/direction to Projects | July 8 |

POTENTIAL MEPAG Timeline VM#4, Feb. 25, 2019

Legend

- ▲ Conference or meeting
By community
- ▲ Conference or meeting
By MPO/MEPAG
- ◆ Potential study/workshop (→ report)
By MPO/MEPAG
- Potential workshop (→ report)
By MPO/others

Formulating a Mars architecture

Science progress/ what we know

Science meetings/workshops

MEPAG Goals revisions:

MEPAG Meetings (notional)

What we should do: MSR

What we should do: Non-MSR

